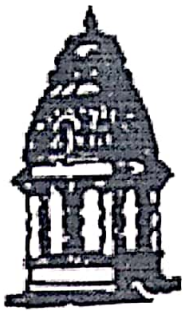
BRUHAT BANGALORE MAHANAGARA PALIKE



Asst. Executive Engineer,
Shettyhalli Sub Division,

Name of Work:- Construction of Dog Shed at Ward No.13

Est Cost:10.00 Lakhs

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BRUHATH BANGALORE MAHANAGARA PALIKE DASARAHALLI ZONE

Name of Work: Construction of Dog Shed at Ward No.13

Est .Cost Rs.10.00 Lakhs

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	Earth work excavation for foundation of building water sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of colds complete as per specifications.**(Page No. 5 / Item No. 2.3 of PWD SR 2018-19)**								
	For Dog Shed								
	For Five Rooms								
	L/wall		2	15.90	0.90	1.00	28.62		
	S/wall		6	3.00	0.90	1.00	16.20		
		Cum					**44.82**	**322.92**	**14473.27**
	Basic Rate	299.00							
	Area Weightage 8%	23.92							
	Total	**322.92**							
2	KSRB 4-1.2 : Providing and laying in position plain **cement concrete of mix 1:3:6 with OPC** cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS **(P.No. 13/ I.No. 4.2 of PWD 2018-19)**								
	For Dog Shed								
	Rooms								
	L/wall		2	15.90	0.90	0.15	4.29		
	S/wall		6	3.00	0.90	0.15	2.43		
	For Flooring		5	3.00	3.00	0.15	6.75		
	All Round Flagging		1	37.00	0.75	0.15	4.16		
		Cum					**17.64**	**5613.28**	**98992.93**
	Basic Rate	5115.00							
	Deduct Cement cost as per SR - 18-19 Page No.V Sl.No.123	-1079.39	Note:- (220*490.63/100)=1079.39						
	Add Cement cost as per Issue rate	1161.86	Note:- (220*264.06/50)=1161.86						
	Sub Total	**5197.48**							
	Area Weightage 8%	415.80							
	Total	**5613.28**							
3	Providing and constructing **granite /trap/ baslat size stone masonry in foundation** with cement mortar 1:6, stones hammerd dressed in courses not less than 20cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications **(Page No. 25/ Item No. 5.6, PWD SR 2018-19)**								
	For Dog Shed								
	Rooms								
	Below Ground Level								
	1st Step		2	15.90	0.75	0.40	9.54		
			6	3.00	0.75	0.40	5.40		
	2nd Step		2	15.90	0.60	0.40	7.63		
			6	3.00	0.60	0.40	4.32		
	Above Ground Level								
			2	15.90	0.45	0.40	5.72		
			6	3.00	0.45	0.40	3.24		

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Sl. No.	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
		Cum					35.86	4983.92	178703.60
	Basic Rate	4596.00							
	Deduct Cement cost as per SR - 18-19 Page No.V Sl.No.123	-245.32	Note:- -(0.2*1*1=0.2 Cum/Sqm) (0.2*250*490.63/100)=245.32						
	Add Cement cost as per Issue rate	264.06	Note:- (0.2*250*264.06/50)=264.06						
	Sub Total	4614.75							
	Area Weightage 8%	369.18							
	Total	4983.92							
4	**Providing ruled pointing to coursed stone masonry** with cement mortar 1:3 20mm deep, after raking joints to depth of 20mm necely lining, including cost of materials, labour, curing complete as per specifications **(Page No. 115 / Item No. 15.3, PWD SR 2018-19)**								
	Above Ground Level								
			2	15.90		0.40	12.72		
			6	3.00		0.40	7.20		
		Sqm					19.92	157.49	3137.20
	Basic Rate	142.00							
	Deduct Cement cost as per SR - 18-19	-50.04	Note:- morter 0.02*1*1=0.02 Cum/Sqm, (0.02*510*490.63/100)= 50.04						
	Add Cement cost as per Issue rate	53.87	Note:- (0.02*510*264.06/50)= 48.48						
	Sub Total	145.82							
	Area Weightage 8%	11.67							
	Total	157.49							
5	**Filling avaialble excavated earth** (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth compacting each deposited layers by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specification **(Page No. 7 / Item No. 2.10 / PWD SR 2018-19)**								
		Cum		Qty as per It 1			44.82	217.08	9729.53
	Basic Rate	201.00							
	Area Weightage 8%	16.08							
	Total	217.08							
6	KSRB 4.2.7: Providing and laying in position reinforced cement concrete cum of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super piasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspiliars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1,4.6 Specification No. KBS 4.1, 4.6. **(Page No. 14, Item No. 4.12, PWD SR 2018-19)**								
	Dog Shed-For Rooms								
	Plinth Beam		2	15.90	0.45	0.20	2.86		
			6	3.00	0.45	0.20	1.62		
	Lintel Beam		2	15.90	0.15	0.15	0.72		
			6	3.00	0.15	0.15	0.41		
		Cum					5.60	6666.26	37347.74
	Basic Rate	6045.00							
	Deduct Cement cost as per SR - 18-19 Page No.V Sl.No.123	-1668.14	Note:- (340*490.63/100)=1668.14						
	Add Cement cost as per Issue rate	1795.61	Note:- (340*264.06/50)=1795.61						

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Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
	Sub Total	6172.47							
	Area Weightage 8%	493.80							
	Total	6666.26							
7	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - **TMT bars Fe 500 (Page No. 18/ Item No. 4.46.2, PWD SR 2018-19)**								
	For Dog Shed								
	Consider 90 kg per cum of concrete			5.60	90.00		504.23		
		Tonne					0.50	76643.28	38645.46
	Basic Rate	70966.00							
	Area Weightage 8%	5677.28							
	Total	76643.28							
8	Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/m2 confirming to JS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 \ including cost of ail materials labour charges, scaffolding, curing, hirecharges of machineries etc., complete as per specifications. KBS No.54 **(Page No. 25 / Item No. 5.27.2, PWD SR 2018-19) (400x150x200mm)**								
	For Dog Shed								
	Rooms								
			2	15.90		3.20	101.76		
			6	3.00		2.10	37.80		
	Deductions								
	Gates		-5	1.20		2.10	-12.60		
	Grill Work		-1	9.00		0.80	-7.20		
		Sqm					119.76	1000.90	119867.78
	Basic Rate	924.00							
	Deduct Cement cost as per SR - 18-19 Page No.V Sl.No.123	-36.11	Note:- (7.36*490.63/100)=36.11						
	Add Cement cost as per Issue rate	38.87	Note:- (7.36*264.06/50)=38.87						
	Sub Total	926.76							
	Area Weightage 8%	74.14							
	Total	1000.90							
9	**Providing 18mm thick cement plaster in single coat with cement mortar 1:3**, to brick masonry including rounding off corners wherever required smooth rendering: providing and removing scaffolding, including cost of materials labour curing complete as per specifications**(P.No. 112, I.No. 15.15 of PWD SR 2018-19)**								
	In side plastering								
	For Dog Shed								
	Rooms								
			2	15.90		3.20	101.76		
			6	3.00		2.10	37.80		
	Deductions								
	Gates		-5	1.20		2.10	-12.60		
	Grill Work		-1	9.00		0.80	-7.20		
		Sqm					119.76	301.80	36143.20
	Basic Rate	276.00							

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	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
	Deduct Cement cost as per SR - 18-19	-45.04	Note:- morter 0.018*1*1=0.018 Cum/Sqm, (0.018*510*490.63/100)= 45.04						
	Add Cement cost as per Issue rate	48.48	Note:- (0.018*510*264.06/50)= 48.48						
	Sub Total	**279.44**							
	Area Weightage 8%	22.36							
	Total	**301.80**							
10	**Providing 20mm thick cement plaster in single coat** with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications **(Page No116, Item No.15.18 PWD SR 2018-19)**								
	OutSide								
	For Dog Shed								
			2	15.90		3.20	101.76		
			6	3.00		2.10	37.80		
	Deductions								
	Gates		-5	1.20		2.10	-12.60		
	Grill Work		-1	9.00		0.80	-7.20		
		Sqm					**119.76**	**316.25**	**37874.09**
	Basic Rate	289.00							
	Deduct Cement cost as per SR - 18-19	-50.04	Note:- morter 0.02*1*1=0.02 Cum/Sqm, (0.02*510*490.63/100)=50.04,						
	Add Cement cost as per Issue rate	53.87	Note:- (0.012*510*264.06/50)=53.87						
	Sub Total	**292.82**							
	Area Weightage 8%	23.43							
	Total	**316.25**							
11	**Providing and fixing M.S. grill work for windows and ventilator** weighing 21kg/Sqm using M.S. flats, or M.S square rods or combination of M.S. flats and steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures labour and HOM of machinery specifications **(P.No. 34, I.No. 7.9 of PWD SR 2018-19)**								
	Windows		1	9.00		0.80	7.20		
			6	3.00		0.80	14.40		
						Sqm	21.60		
	Consider 21 kg per one sqm	**Kg**				Kg	**453.60**	**102.60**	**46539.36**
	Basic Rate	95.00							
	Area Weightage 8%	7.60							
	Total	**102.60**							
12	Fabricating, supplying & erecting M.S. angular Truss for all spans as per approved designs and drawing. The entire truss is anchored suitably by using 4 No's of M.S anchor Bolts at each Supports, with base plate and shoe plate. The work including cutting, straightening, placing in position of M.s Angle and welding wherever necessary, and applying one coat of red oxide primer coat to all the members including cost of all mayterials, labour charges, & hire charges of machineries for cutting, welding, grinding, & erection equipments, etc,complete as per specification **(Page No. 43, Item No. 7.30 of SR 2018-19)**								
	For Dog Shed		No's	Length	Kg				
	Beam (100x100x2mm)		2	15.90	8.00		254.40		
	Purlins(100x100x2mm)		10	4.00	5.00		200.00		
		Kg					**454.40**	**119.88**	**54473.47**
	Basic Rate	111.00							
	Area Weightage 8%	8.88							
	Total	**119.88**							

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S.No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
13	KSRB 15-18.1 : Applying red lead ready mix primer coat over new steel or other metal surface including preparing the surface after thoroughly cleaning oil, grease, dirt and other foreign matter, scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications. **(Page No.123/ Item No.15.73, PWD SR 2018-19)**								
				Qty vide Item No.14			7.55		
		Sqm					7.55	46.78	353.15
	Basic Rate	41.00							
	Area Weightage 8%	3.78							
	Total	44.78							
14	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. (Page No.123/ Item No.15.74, PWD SR 2018-19)								
				Qty vide Item No.12			7.55		
		Sqm					7.55	252.50	2222.03
	Basic Rate	95.00							
	Area Weightage 8%	7.60							
	Total	102.60							
15	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly washing the surface, free from mortar drops and other foreign matter including prepering the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - With primer. (P. No. 118, I.No. 13.20.2 of SR 2018-19).								
				Qty vide Item No.2 & 3			785.32		
		Sqm					785.32	97.20	76306.34
	Basic Rate	90.00							
	Area Weightage 8%	7.20							
	Total	97.20							
16	Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special mortar adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. **(P.No. 109, I.No. 14.43 of SR 2018-19).**								
	For Dog Shed								
	Rooms								
	Flooring		5	3.00	3.00		45.00		
	Wall Cladding		5	10.20		0.75	38.25		
		Sqm					83.25	1186.92	98811.09
	Basic Rate	1099.00							
	Area Weightage 8%	87.92							
	Total	1186.92							
17	KSRB 8.3-2 : Providing and laying to required line and slope roofing with semi-corrugated (Trafford) asbestos cement sheet 6mm. thick fixed with galvanised iron J or L hooks, bolts and nuts 8mm. dia C.I plain and bitumen washers, over the existing purlins, rafters and trusses including cost of materials, labour, complete as per specifications.**(P.No.8.6, I.No.48 of SR 2018-19).**								
	OutSide								
	For Dog Shed								
	Rooms								
			1	15.90	4.00		63.60		
		Sqm					63.60	403.92	25689.31
	Basic Rate	374.00							
	Area Weightage 8%	29.92							
	Total	403.92							

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Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members asshown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specifiocation. **(P. No.44 / I. No. 7.37 of CSR 2018-19)**								
For Dog Shed								
Rooms								
		5	1.20	2.10		12.60		
	Sqm					12.60	3252.96	40987.30
Basic Rate	3012.00							
Area Weightage 8%	240.96							
Total	3252.96							
							Total Construction Cost	867869.28
							GST Charges 12%	104144.31
							Tender Premium 3%	26036.08
							Sub Total	998049.67
							Miscellaneous and other unforseen charges	1950.33
							Grand Total Rs	1000000.00
							Rupees Ten Lakh(s) Only	

CERTIFICATE

This Work Comes Within BBMP Limits.

Certified that personaly Inspected the Work Spot.

Certified that the Estimate is Prepared Based on CSR of PWD Bangalore Circle 2018-19

Estimate is Prepared Making Use of essential itemof work as per site conditions in safest way of Execution in most economical way

This work is not include in any other program of work.

Asst Engineer
Ward No-13

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

ADMINISTRATIVELY SANCTIONED FOR Rs 10.00 Lakh
(Rupees Ten Lakhs only
Under the Head of Account P-0273 Street Dog Management
Registered as no EE(D.D.)/AS.47/2020-21 Subject to conditions contained in Enclosed Memo
No. EE/DD/AS/47/2020-21 Dt. 26.5.2020
Exe. Eng
JE/AE. (DASARAHALLI) BBMP

Technically Sanctione for Rs. 10.00 Lakh
Rs In words Ten Lakhs only
Under P-0273 Street Dog Management
Job Code No 013-20-000134
Registered as CE No 10/2020-21, Subject to conditions contained in Enclosed Memo
No EE/DD/TS/10/2020-21 Dt. 26.5.2020
AE/JE Executive Engineer

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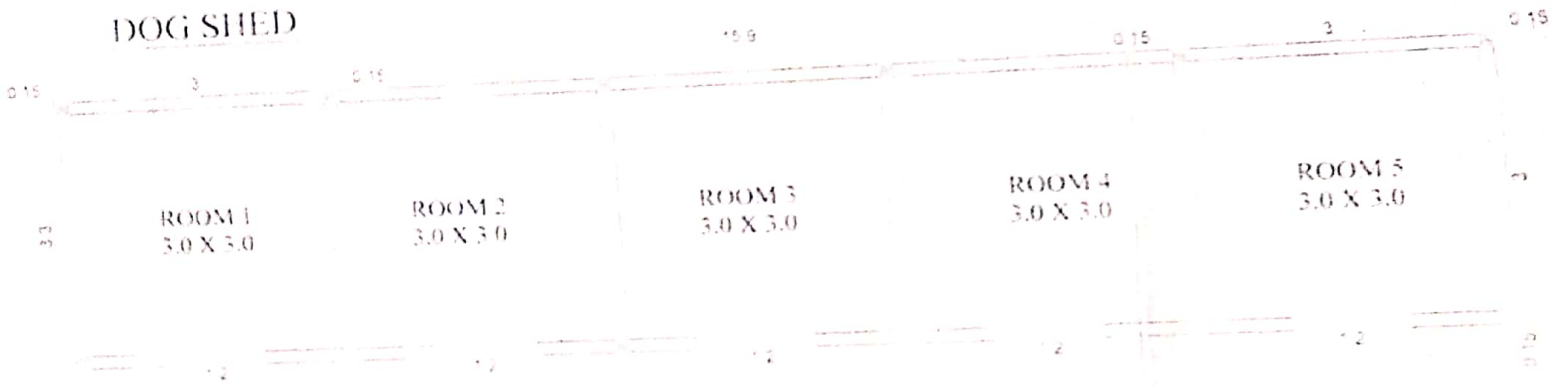
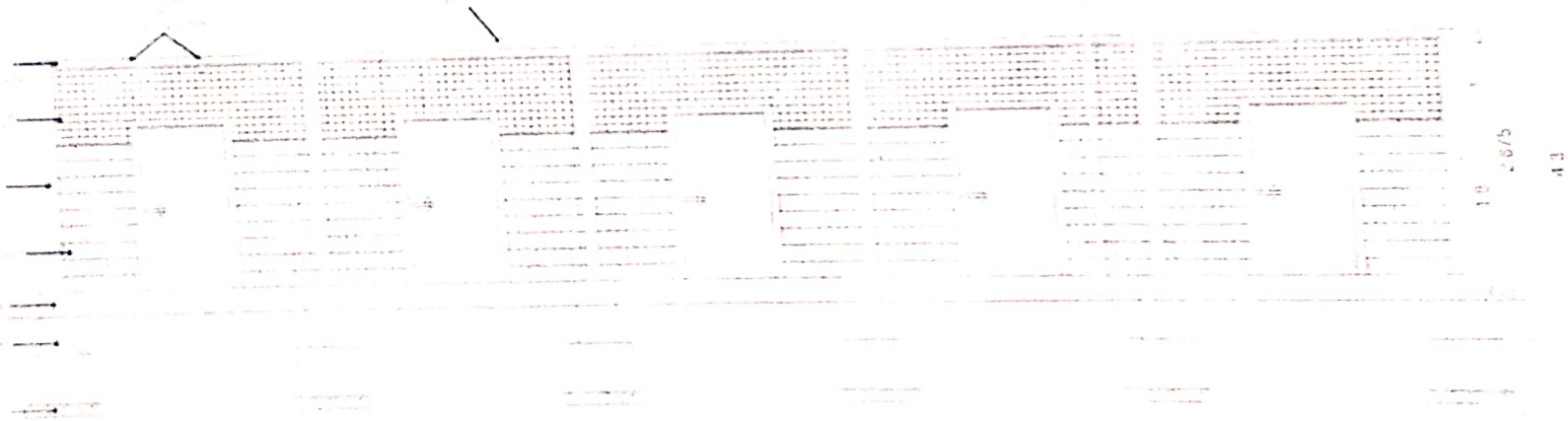
DOG SHED



PLAN



CROSS SECTION

EXECUTIVE ENGINEER
Zilla Panchayat Palike,
Bidar.

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